

Jacob Young

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Canada

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Technical Skills/Abilities

- Applied Java to self develop a 100% correctly functioning store search, and for editing an application used by the cable, satellite, and IPTV industries
- Worked in teams to create web-based applications, and edit an Android application
- Utilized several software development processes with every application written
- Created a hexadecimal encoding/decoding application in C for any text that is given to the program; found here: <https://github.com/JacobYoung97/Encoding>

Education

**Bachelor of Computing, Computer Science
Major and Mathematics Minor (Co-op),**

September 2015 – April 2020

University of Guelph, Guelph, Ontario

- Placed on the Dean's Honours List every academic semester during attendance
- Received entrance scholarship for 90% and higher average in high school
- Improved writing and communication skills when working through the essay process

Academic Highlights

Human Computer Interaction,

September – December, 2019

University of Guelph, Guelph, Ontario

- Created usability and user experience goals in order to evaluate 2 similar applications
- Performed 10 usability studies with interviews to understand the users' wants/needs
- Cooperated in a 4-person team to write an 8-page report on the study's findings

Software Engineering,

January – April, 2018

University of Guelph, Guelph, Ontario

- Learned and utilized agile development to improve an open-source Android application that encrypts notes on the user's mobile phone
- Documented all work done by the group in each sprint to improve work quality for the next sprint and deliver an improved application
- Collaborated with a 6-person self-organizing team to assign tasks that fit everyone's knowledge and expertise on the technologies utilized

Work Experience

Intern – Engineering (DevOps),
NCR Corporation,
NCR Waterloo

January – August, 2019

- Used Docker and Kubernetes to manage over 8 different microservice applications
- Refactored end-to-end test code in Cucumber for Java to decrease execution time by at least 10 minutes and to decrease some scenario steps by 5 or more
- Added two security scanning frameworks to the Jenkins build process to ensure all code was security compliant and had no vulnerabilities before shipping to customer

Associate Software Development Engineer,
PerkinElmer Inc.,
Guelph Office

May – August, 2018

- Utilized AngularJS to write and debug the application's frontend code, and utilized C# to write and debug the application's backend code
- Committed all code with Git to GitHub to create pull requests and for version control between release versions and feature branches
- Collaborated with 10 team members in an agile environment to deliver every sprint goal

Student Design Engineer,
Evertz Microsystems,
Canadian Headquarters

May – December, 2017

- Converted a web application from the Spring framework to Angular 4, and a different application from JavaServer Pages to Spring
- Tested 8-10 unique application services and at least 10 different server calls with JUnit
- Performed tech support for the main application in 3 different release versions with two distinct versions of Java (Java 6 and 8)

Community Involvement

University Ambassador,
University of Guelph Admissions,
University of Guelph

February 2016 – March 2020

- Addressed 16 groups of more than 10 people per group about residence and University life in under 5 hours
- Communicated with a positive tone throughout the tours of the residence and campus
- Averaged 5 hours of residence touring and 3 hours of campus touring per semester